

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A method for transmitting data comprising the steps of:

transmitting, prior to and independent of said data transmission, a message indicative of the rate of said data and a time interval over which said data will be transmitted at said rate; and

transmitting said data at said rate during said time interval using a data transmission channel;

wherein said message comprises:

an indication of a frame type selected from a plurality of frame types including link schedule, channel active set, and erasure-indicator bit, wherein each of each of these frame types is transmitted at some time;

an indication of said rate of said data; and

an indication of said time interval;

wherein said frame type indicates at least one of a link schedule, channel active set, and erasure-indicator-bit;

wherein said link schedule indicates the duration of said data transmission;

wherein said channel active set indicates a set of base stations; and,

wherein said erasure-indicator-bit indicates an erasure of previously received frames.

2-3. canceled

4. (currently amended) An apparatus for transmitting comprising:

a transmitter for transmitting, prior to and independent of a data transmission, a message indicative of the rate of said data and a time interval over which said data will be transmitted at said rate;

~~wherein said transmitter further configured for forming~~ a processor configured to form said message to include at least an indication of a frame type selected from a plurality of frame types including link schedule, channel active set, and erasure-indicator bit, wherein the transmitter transmits each of these frame types at some time, an indication of said rate of said data; and an indication of said time interval;

wherein said frame type indicates at least one of link schedule, channel active set, and erasure-indicator-bit;

wherein said link schedule indicates the duration of said data transmission;

wherein said channel active set indicates a set of base stations; and,

wherein said erasure-indicator-bit indicates an erasure of previously received frames.

5. canceled

6. (previously presented) The method of claim 1 wherein said link schedule is selected from a group consisting of a forward link schedule and a reverse link schedule.

7. (currently amended) The method of claim 6 wherein said forward link schedule ~~scheduling information~~ is contained in a 10 bit forward link schedule message comprising:

- 2 bits indicating that a frame is a forward link schedule message;
- 4 bits indicating an assigned forward link rate of said data channel; and
- 4 bits indicating the duration for which said data channel is assigned said forward link rate.

8. (currently amended) The method of claim 6 wherein said reverse link schedule ~~scheduling information~~ is contained in an 18 bit reverse link schedule message comprising:

- 2 bits indicating that a frame is a reverse link schedule message;
- 4 bits indicating a granted reverse link rate of said data channel; and,
- 12 bits indicating the duration for which said data channel is granted said reverse link rate, wherein each subset of 4 bits represents a single carrier.

9. (currently amended) The method of claim 1 wherein said channel active set ~~information~~ is contained in an 8 bit channel active set message comprising:

- 2 bits indicating that a frame is a channel active set message; and,
- 6 bits indicating base stations in the active set, wherein each bit represents a base station.

10. (currently amended) The method of claim 1 wherein said erasure-indicator-bit ~~information~~ is contained in an 5 bit erasure-indicator-bit message comprising:

2 bits indicating that a frame is an erasure-indicator-bit message;
1 bit indicating an erasure-indicator-bit for a fundamental data
channel;
1 bit indicating an erasure-indicator-bit for a supplemental data
channel; and,
1 bit indicating demodulation of said fundamental channel.

11. canceled

12. (previously presented) The apparatus of claim 4 wherein said
link schedule is selected from a group consisting of a forward link schedule and a
reverse link schedule.

13. (currently amended) The apparatus of claim 12 wherein said
forward link schedule ~~scheduling information~~ is contained in a 10 bit forward link
schedule message comprising:

2 bits indicating that a frame is a forward link schedule message;
4 bits indicating an assigned forward link rate of a data channel; and
4 bits indicating the duration for which said data channel is assigned
said forward link rate.

14. (currently amended) The apparatus of claim 12 wherein said
reverse link schedule ~~scheduling information~~ is contained in an 18 bit reverse link
schedule message comprising:

2 bits indicating that a frame is a reverse link schedule message;
4 bits indicating a granted reverse link rate of a data channel; and,

12 bits indicating the duration for which said data channel is granted said reverse link rate, wherein each subset of 4 bits represents a single carrier.

15. (currently amended) The apparatus of claim 4 wherein said channel active set ~~information~~ is contained in an 8 bit channel active set message comprising:

2 bits indicating that a frame is a channel active set message; and,
6 bits indicating base stations in the active set, wherein each bit represents a base station.

16. (currently amended) The apparatus of claim 4 wherein said erasure-indicator-bit ~~information~~ is contained in an 5 bit erasure-indicator-bit message comprising:

2 bits indicating that a frame is an erasure-indicator-bit message;
1 bit indicating an erasure-indicator-bit for a fundamental data channel;
1 bit indicating an erasure-indicator-bit for a supplemental data channel; and,
1 bit indicating the demodulation of said fundamental channel.

17. (currently amended) An apparatus for transmitting comprising:
a means for transmitting, prior to and independent of a data transmission, a message indicative of the rate of said data and a time interval over which said data will be transmitted at said rate;

~~wherein said transmitting means is further configured for forming a~~
controller means configured to form said message to include at least an indication of a
frame type selected from a plurality of frame types including link schedule, channel
active set, and erasure-indicator bit, wherein the transmitter transmits each of these
frame types at some time, an indication of said rate of said data; and an indication of
said time interval;

wherein said frame type indicates at least one of link schedule, channel
active set, and erasure-indicator-bit;

wherein said link schedule indicates the duration of said data
transmission;

wherein said channel active set indicates a set of base stations; and,

wherein said erasure-indicator-bit indicates an erasure of previously
received frames.

18. canceled

19. (previously presented) The apparatus of claim 17 wherein said
link schedule is selected from a group consisting of a forward link schedule and a
reverse link schedule.

20. (currently amended) The apparatus of claim 19 wherein said
forward link schedule scheduling information is contained in a 10 bit forward link
schedule message comprising:

2 bits indicating that a frame is a forward link schedule message;

4 bits indicating an assigned forward link rate of [[said]] a data
channel; and

4 bits indicating the duration for which said data channel is assigned said forward link rate.

21. (currently amended) The apparatus of claim 19 wherein said reverse link schedule ~~scheduling information~~ is contained in an 18 bit reverse link schedule message comprising:

2 bits indicating that a frame is a reverse link schedule message;

4 bits indicating a granted reverse link rate of [[said]] a data channel;
and,

12 bits indicating the duration for which said data channel is granted said reverse link rate, wherein each subset of 4 bits represents a single carrier.

22. (currently amended) The apparatus of claim 17 wherein said channel active set ~~information~~ is contained in an 8 bit channel active set message comprising:

2 bits indicating that a frame is a channel active set message; and,

6 bits indicating base stations in the active set, wherein each bit represents a base station.

23. (currently amended) The apparatus of claim 17 wherein said erasure-indicator-bit ~~information~~ is contained in an 5 bit erasure-indicator-bit message comprising:

2 bits indicating that a frame is an erasure-indicator-bit message;

1 bit indicating an erasure-indicator-bit for a fundamental data channel;

1 bit indicating an erasure-indicator-bit for a supplemental data channel; and,

1 bit indicating the demodulation of said fundamental channel.

24. (currently amended) A method for transmitting data comprising the steps of:

transmitting, prior to and independent of said data transmission, a message indicative of the rate of said data and a time interval over which said data will be transmitted at said rate;

transmitting said data at said rate during said time interval using a data transmission channel;

wherein said message comprises:

an indication of a frame type selected from a plurality of frame types including link schedule, channel active set, and erasure-indicator bit, wherein each of each of these frame types is transmitted at some time;

an indication of said rate of said data; and

an indication of said time interval;

wherein said frame type indicates at least one of a link schedule, channel active set, and erasure-indicator-bit; and,

wherein said link schedule is a forward link scheduling information contained in a 10 bit forward link schedule message comprising:

2 bits indicating that a frame is a forward link schedule message;

4 bits indicating an assigned forward link rate of said data channel; and

4 bits indicating the duration for which said data channel is assigned said forward link rate.

25. (currently amended) A method for transmitting data comprising the steps of:

transmitting, prior to and independent of said data transmission, a message indicative of the rate of said data and a time interval over which said data will be transmitted at said rate;

transmitting said data at said rate during said time interval using a data transmission channel;

wherein said message comprises:

an indication of a frame type selected from a plurality of frame types including link schedule, channel active set, and erasure-indicator bit, wherein each of each of these frame types is transmitted at some time;

an indication of said rate of said data; and

an indication of said time interval;

wherein said frame type indicates at least one of a link schedule, channel active set, and erasure-indicator-bit; and,

wherein said link schedule is a reverse link scheduling information contained in an 18 bit reverse link schedule message comprising:

2 bits indicating that a frame is a reverse link schedule message;

4 bits indicating a granted reverse link rate of said data channel; and,

12 bits indicating the duration for which said data channel is granted said reverse link rate, wherein each subset of 4 bits represents a single

carrier.

26. (currently amended) A method for transmitting data comprising the steps of:

transmitting, prior to and independent of said data transmission, a message indicative of the rate of said data and a time interval over which said data will be transmitted at said rate;

transmitting said data at said rate during said time interval using a data transmission channel;

wherein said message comprises:

an indication of a frame type selected from a plurality of frame types including link schedule, channel active set, and erasure-indicator bit, wherein each of each of these frame types is transmitted at some time;

an indication of said rate of said data; and

an indication of said time interval;

wherein said frame type indicates at least one of a link schedule, channel active set, and erasure-indicator-bit; and,

wherein said channel active set ~~information~~ is contained in an 8 bit channel active set message comprising:

2 bits indicating that a frame is a channel active set message;

and,

6 bits indicating base stations in the active set, wherein each bit represents a base station.

27. (currently amended) A method for transmitting data comprising the steps of:

transmitting, prior to and independent of said data transmission, a message indicative of the rate of said data and a time interval over which said data will be transmitted at said rate;

transmitting said data at said rate during said time interval using a data transmission channel;

wherein said message comprises:

an indication of a frame type selected from a plurality of frame types including link schedule, channel active set, and erasure-indicator bit, wherein each of each of these frame types is transmitted at some time;

an indication of said rate of said data; and

an indication of said time interval;

wherein said frame type indicates at least one of a link schedule, channel active set, and erasure-indicator-bit; and,

wherein said erasure-indicator-bit ~~information~~ is contained in an 5 bit erasure-indicator-bit message comprising:

2 bits indicating that a frame is an erasure-indicator-bit message;

1 bit indicating an erasure-indicator-bit for a fundamental data channel;

1 bit indicating an erasure-indicator-bit for a supplemental data channel; and,

1 bit indicating demodulation of said fundamental channel.

28. (currently amended) An apparatus for transmitting comprising:

a transmitter for transmitting, prior to and independent of a data transmission, a message indicative of the rate of said data and a time interval over which said data will be transmitted at said rate;

~~wherein said transmitter further configured for forming a processor~~
configured to form said message to include at least an indication of a frame type selected from a plurality of frame types including link schedule, channel active set, and erasure-indicator bit, wherein the transmitter transmits each of these frame types at some time, an indication of said rate of said data; and an indication of said time interval;

wherein said frame type indicates at least one of link schedule, channel active set, and erasure-indicator-bit; and,

wherein said link schedule is a forward link scheduling information contained in a 10 bit forward link schedule message comprising:

2 bits indicating that a frame is a forward link schedule message;

4 bits indicating an assigned forward link rate of a data channel; and

4 bits indicating the duration for which said data channel is assigned said forward link rate.

29. (currently amended) An apparatus for transmitting comprising:

a transmitter for transmitting, prior to and independent of a data transmission, a message indicative of the rate of said data and a time interval over which said data will be transmitted at said rate;

~~wherein said transmitter further configured for forming a processor~~
configured to form said message to include at least an indication of a frame type
selected from a plurality of frame types including link schedule, channel active set,
and erasure-indicator bit, wherein the transmitter transmits each of these frame types
at some time, an indication of said rate of said data; and an indication of said time
interval;

wherein said frame type indicates at least one of link schedule, channel
active set, and erasure-indicator-bit; and,

wherein said link schedule is a reverse link scheduling information
contained in an 18 bit reverse link schedule message comprising:

2 bits indicating that a frame is a reverse link schedule
message;

4 bits indicating a granted reverse link rate of a data channel;
and,

12 bits indicating the duration for which said data channel is
granted said reverse link rate, wherein each subset of 4 bits represents a single
carrier.

30. (currently amended) An apparatus for transmitting
comprising:

a transmitter for transmitting, prior to and independent of a data
transmission, a message indicative of the rate of said data and a time interval over
which said data will be transmitted at said rate;

~~wherein said transmitter further configured for forming a processor~~
configured to form said message to include at least an indication of a frame type
selected from a plurality of frame types including link schedule, channel active set,

and erasure-indicator bit, wherein the transmitter transmits each of these frame types at some time, an indication of said rate of said data; and an indication of said time interval;

wherein said frame type indicates at least one of link schedule, channel active set, and erasure-indicator-bit; and,

wherein said channel active set ~~information~~ is contained in an 8 bit channel active set message comprising:

2 bits indicating that a frame is a channel active set message;

and,

6 bits indicating base stations in the active set, wherein each bit represents a base station.

31. (currently amended) An apparatus for transmitting comprising:

a transmitter for transmitting, prior to and independent of a data transmission, a message indicative of the rate of said data and a time interval over which said data will be transmitted at said rate;

~~wherein said transmitter further configured for forming a processor configured to form~~ said message to include at least an indication of a frame type selected from a plurality of frame types including link schedule, channel active set, and erasure-indicator bit, wherein the transmitter transmits each of these frame types at some time, an indication of said rate of said data; and an indication of said time interval;

wherein said frame type indicates at least one of link schedule, channel active set, and erasure-indicator-bit; and,

wherein said erasure-indicator-bit ~~information~~ is contained in an 5 bit erasure-indicator-bit message comprising:

- 2 bits indicating that a frame is an erasure-indicator-bit message;
- 1 bit indicating an erasure-indicator-bit for a fundamental data channel;
- 1 bit indicating an erasure-indicator-bit for a supplemental data channel; and,
- 1 bit indicating the demodulation of said fundamental channel.

32. (currently amended) An apparatus for transmitting comprising:

a means for transmitting, prior to and independent of a data transmission, a message indicative of the rate of said data and a time interval over which said data will be transmitted at said rate;

~~wherein said transmitter further configured for forming a processor configured to form~~ message to include at least an indication of a frame type selected from a plurality of frame types including link schedule, channel active set, and erasure-indicator bit, wherein the transmitter transmits each of these frame types at some time, an indication of said rate of said data; and an indication of said time interval;

wherein said frame type indicates at least one of link schedule, channel active set, and erasure-indicator-bit; and,

wherein said link schedule is a forward link scheduling information contained in a 10 bit forward link schedule message comprising:

2 bits indicating that a frame is a forward link schedule message;

4 bits indicating an assigned forward link rate of a data channel; and

4 bits indicating the duration for which said data channel is assigned said forward link rate.

33. (currently amended) An apparatus for transmitting comprising:

a means for transmitting, prior to and independent of a data transmission, a message indicative of the rate of said data and a time interval over which said data will be transmitted at said rate;

~~wherein said transmitter further configured for forming a processor configured to form~~ said message to include at least an indication of a frame type selected from a plurality of frame types including link schedule, channel active set, and erasure-indicator bit, wherein the transmitter transmits each of these frame types at some time, an indication of said rate of said data; and an indication of said time interval;

wherein said frame type indicates at least one of link schedule, channel active set, and erasure-indicator-bit; and,

wherein said link schedule is a reverse link scheduling information contained in an 18 bit reverse link schedule message comprising:

2 bits indicating that a frame is a reverse link schedule message;

4 bits indicating a granted reverse link rate of a data channel; and,

12 bits indicating the duration for which said data channel is granted said reverse link rate, wherein each subset of 4 bits represents a single carrier.

34. (currently amended) An apparatus for transmitting comprising:

a means for transmitting, prior to and independent of a data transmission, a message indicative of the rate of said data and a time interval over which said data will be transmitted at said rate;

~~wherein said transmitter further configured for forming a processor configured to form~~ said message to include at least an indication of a frame type selected from a plurality of frame types including link schedule, channel active set, and erasure-indicator bit, wherein the transmitter transmits each of these frame types at some time, an indication of said rate of said data; and an indication of said time interval;

wherein said frame type indicates at least one of link schedule, channel active set, and erasure-indicator-bit; and,

wherein said channel active set ~~information~~ is contained in an 8 bit channel active set message comprising:

2 bits indicating that a frame is a channel active set message;

and,

6 bits indicating base stations in the active set, wherein each bit represents a base station.

35. (currently amended) An apparatus for transmitting comprising:

a means for transmitting, prior to and independent of a data transmission, a message indicative of the rate of said data and a time interval over which said data will be transmitted at said rate;

~~wherein said transmitter further configured for forming a processor~~
configured to form said message to include at least an indication of a frame type selected from a plurality of frame types including link schedule, channel active set, and erasure-indicator bit, wherein the transmitter transmits each of these frame types at some time, an indication of said rate of said data; and an indication of said time interval;

wherein said frame type indicates at least one of link schedule, channel active set, and erasure-indicator-bit; and,

wherein said erasure-indicator-bit ~~information~~ is contained in an 5 bit erasure-indicator-bit message comprising:

2 bits indicating that a frame is an erasure-indicator-bit message;

1 bit indicating an erasure-indicator-bit for a fundamental data channel;

1 bit indicating an erasure-indicator-bit for a supplemental data channel; and,

1 bit indicating the demodulation of said fundamental channel.